

Product datasheet for **RN205892**

F10 (NM_017143) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F10 (NM_017143) Rat Untagged Clone
Tag:	Tag Free
Symbol:	F10
Synonyms:	MGC108722
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205892 representing NM_017143
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAGCCCGGTGCGACTCAGCCTTCTCTATGTTGTCCTGGCCAGCCTCTGCTCCCGGGGAGAAGTG
TGTTTATTAACCGGGAACGAGCCAAACAAGTCTGCAGAGGATTCGGAGAGCAAACCTCATTGTTTGGAGGA
GATAAAGAAAGGAAATCTGGAAAGGGAGTGTGTGGAAGAAATTTGTTCTTTGAAGAGGCCCGCGAAGTC
TTTGAGGACAATGAGAAGACGACAGAATTCTGGAACAAATATGAAGATGGTGACCAGTGTGAGAGCAGTC
CTTGCCAGAACCAAGGCGAGTGTGAGATGGCCTTGGGAGTTATACATGCACCTGCACGGAGGGATTCTGA
AGGCAAAAAGTGAACCTTTGTTGCGAAACTCTGCAGCCTAGACAACGGAGACTGCGACCAGTTCTGC
CGTGAGGAGCAGAAGTCAAGTGGTGTCTCTGTGCCAAGGGTTACTTCTGGGTAATGACGGCAAGTCTCT
GCCTCTCCACAGCTCCCTCCCCTGTGGAAAAACCAATAAAGGACGCGCAAGAGGTCTGTGGCCCTAAA
TACCAGCAACAGTGAACCTGACCCTGAAGACCTCATGCCTGATGCAGATATTCTATATCCTACTGAGAGT
CCTTCTGAACTGCTCAATCTCAACAAGACAGAGCCTGAAGCAAACAGTGTGACGTTATTTCGGATTGTGG
GTGGCCAAGAATGCAAGAGAGGAGAATGTCCTTGGCAGGCTCTGCTCTTTAGCGACGAAGAGACTGATGG
GTTCTGTGGGGCACCATCTTGAATGAGTTCTACATCCTCACTGCCGCCATTGTCTCCATCAAGCCAAG
CGATTCAGGTTGAGGGTAGGGGACCTGAACACGGAACAGGAAGACGGCGCGAGATGGTGACAGGAGTGG
ATATGATCATCAAGCACAACAAGTTTCAGAGGGACACCTACGACTTCGACATTGCCATGTGAGGCTGAA
GACCCCATCACGTTCCGCGAGAAGCTGGCCCTGCCTGCTTGCCTCAGAAAGACTGGGCCGAGGCCACA
CTGATGACGCAAAAGACAGGCATCGTGAGCGGGTTGGACGCACGCACGAGAAGGGCCCGCAGTCCAAG
TCCTGAAGATGATGGAGGTGCCCTATGTGGACCGCAACACCTGCAGGCTCTCCACCAGTTCAGCATTAC
GCAGAATATGTTCTGCGCAGGCTATGACGCCAAGCAAGAGGACGCCTGCCAGGGGACAGCGGTGGCCCT
CACGTCACACGATTCAAAGACACCTACTTTGTGACCGGCATCGTCAGCTGGGGAGAGGGGTGTGCAAGGA
AAGGGAAATACGGCATCTACACGAAGGTCACGGCCTTCTCAAATGGATTGACAGGTCCATGAAAGCCAG
GGTGGGGCCACCTCTGAGACCCCAAGGTTAACCATCCACCCTATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_017143

Insert Size: 1449 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_017143.2](#), [NP_058839.1](#)
RefSeq Size: 1618 bp
RefSeq ORF: 1449 bp
Locus ID: 29243
UniProt ID: [Q63207](#)
Cytogenetics: 16q12.5
Gene Summary: clotting factor that competes with prothrombin in the ER membrane for binding to gamma carboxylase [RGD, Feb 2006]